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 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
 PTO/SB/01 (6-95)  
 OMB 0651-0032

0010/PTO  
 Rev. 6/95

U.S. Department of Commerce  
 Patent and Trademark Office

# DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

☐ Declaration Submitted with Initial Filing OR ☒ Declaration Submitted after Initial Filing

Attorney Docket Number

Met/4 CIP

First Named Inventor

Thomas J. McMurphy et al.

COMPLETE IF KNOWN

Application Number

08/875,365

Filing Date

01/16/96 (IA)

Group Art Unit

Examiner Name

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Diagnostistic Imaging Contrast Agents with Extended Blood Retention

the specification of which

(Title of the Invention)

☐ is attached hereto  
 OR

☒ was filed on (MM/DD/YYYY)

01/16/1996

as United States Application Number or PCT International

Application Number

PCT/US96/00164

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code § 119 (a)-(d) or (385(b) of any foreign application(s) for patent or inventor's certificate, or (386 (a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority sheet attached hereto.

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)

☐ Additional provisional application numbers are listed on a supplemental priority sheet attached hereto.

Burden Hour Statement: This form is estimated to take .4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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# DECLARATION

Page 2

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s), or §365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)
08/382,317		02/01/1995	

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority sheet attached hereto.

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

☐ Firm Name  Customer or label Number   
☒ OR  
☒ List attorney(s) and/or agent(s) name and registration number below:

Name	Registration Number	Name	Registration Number
James F. Haley, Jr.	27,794		
Pablo D. Hendler	40,015		

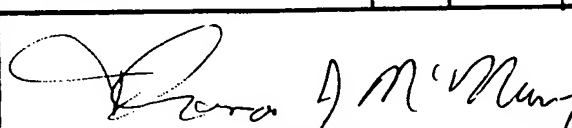
☐ Additional attorney(s) and/or agent(s) named on a supplemental sheet attached hereto.

Please direct all correspondence to: ☐ Customer or label Number  OR ☒ Fill in correspondence address below

Name James F. Haley, Jr., Esq.  
 Address Fish & Neave  
 Address 1251 Avenue of the Americas  
 City New York State N.Y. ZIP 10020  
 Country U.S.A. Telephone 212-596-9330 Fax 212-596-9090

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: ☐ A petition has been filed for this unsigned inventor

Given Name	Thomas	Middle Initial	J.	Family Name	McMurry	Suffix e.g. Jr.	
Inventor's Signature					Date	11/25/97	
Residence: City	Winchester	State	MA	Country		Citizenship	U.S.
Post Office Address	4 Bonad Road						
Post Office Address							
City	Winchester	State	MA	Zip	01890	Country	
				Applicant Authority			


☒ Additional inventors are being named on supplemental sheet(s) attached hereto

10034522-122001

Type a plus sign (+) inside this box → ☐

# DECLARATION

## ADDITIONAL INVENTOR(S) Supplemental Sheet

Name of Additional Joint Inventor, if any:										<input type="checkbox"/> A petition has been filed for this unsigned inventor									
Given Name	Hironao					Middle Initial		Family Name	Sijiki					Suffix e.g. Jr.					
Inventor's Signature											Date								
Residence: City	Gifu					State		Country	Japan					Citizenship	Japanese				
Post Office Address	4-9 Fudo-cho																		
Post Office Address																			
City	Gifu					State		Zip	500					Country	Japan	Applicant Authority			
Name of Additional Joint Inventor, if any:										<input type="checkbox"/> A petition has been filed for this unsigned inventor									
Given Name	Daniel					Middle Initial	M.	Family Name	Scott					Suffix e.g. Jr.					
Inventor's Signature											Date								
Residence: City	Acton					State	MA	Country						Citizenship	U.S.				
Post Office Address	42 Nylander Way																		
Post Office Address																			
City	Acton					State	MA	Zip	01720					Country		Applicant Authority			
Name of Additional Joint Inventor, if any:										<input type="checkbox"/> A petition has been filed for this unsigned inventor									
Given Name	Randall					Middle Initial	B.	Family Name	Laufer					Suffix e.g. Jr.					
Inventor's Signature											Date	11-25-97							
Residence: City	Brookline					State	MA	Country						Citizenship	U.S.				
Post Office Address	23 Sumner Road, #2																		
Post Office Address																			
City	Brookline					State	MA	Zip	02146					Country		Applicant Authority			
Name of Additional Joint Inventor, if any:										<input type="checkbox"/> A petition has been filed for this unsigned inventor									
Given Name						Middle Initial		Family Name						Suffix e.g. Jr.					
Inventor's Signature											Date								
Residence: City						State		Country						Citizenship					
Post Office Address																			
Post Office Address																			
City						State		Zip						Country		Applicant Authority			
<input type="checkbox"/> Additional inventors are being named on supplemental sheet(s) attached hereto																			

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
PTO/SB/01 (6-95)  
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# DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

☐ Declaration Submitted with Initial Filing. OR ☒ Declaration Submitted after Initial Filing.

Attorney Docket Number	Met/4 CIP
First Named Inventor	Thomas J. McMurry et al.
<b>COMPLETE IF KNOWN</b>	
Application Number	08/875,365
Filing Date	01/16/96 (IA)
Group Art Unit	
Examiner Name	

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Diagnostic Imaging Contrast Agents with Extended Blood Retention

the specification of which

(Title of the Invention)

☐ is attached hereto  
OR

☒ was filed on (MM/DD/YYYY) 01/16/1996 as United States Application Number or PCT International

Application Number PCT/US96/00164 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

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Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority sheet attached hereto.

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

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Burden Hour Statement: This form is estimated to take .4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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# DECLARATION

Page 2

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U.S. Parent Application Number	PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)
08/382,317		02/01/1995	

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As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

☐ Firm Name  Customer Number or label   
OR  
☒ List attorney(s) and/or agent(s) name and registration number below:

Name	Registration Number	Name	Registration Number
James F. Haley, Jr.	27,794		
Pablo D. Hendler	40,015		

☐ Additional attorney(s) and/or agent(s) named on a supplemental sheet attached hereto.

Please direct all correspondence to: ☐ Customer Number  or label

OR ☒ Fill in correspondence address below

Name James F. Haley, Jr., Esq.

Address Fish & Neave

Address 1251 Avenue of the Americas

City New York

State N.Y.

ZIP 10020

Country U.S.A.

Telephone 212-596-9330

Fax 212-596-9090

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:

☐ A petition has been filed for this unsigned inventor

Given Name	Thomas	Middle Initial	J.	Family Name	McMurry	Suffix e.g. Jr.	
------------	--------	----------------	----	-------------	---------	-----------------	--

Inventor's Signature		Date	
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Residence: City	Winchester	State	MA	Country		Citizenship	U.S.
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Post Office Address	4 Bonad Road
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Post Office Address	
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City	Winchester	State	MA	Zip	01890	Country		Applicant Authority	
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☒ Additional inventors are being named on supplemental sheet(s) attached hereto

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# DECLARATION

## ADDITIONAL INVENTOR(S) Supplemental Sheet

Name of Additional Joint Inventor, if any:										<input type="checkbox"/> A petition has been filed for this unsigned inventor											
Given Name		Hironao				Middle Initial				Family Name		Sijiki				Suffix e.g. Jr.					
Inventor's Signature												Date									
Residence: City		Gifu				State				Country		Japan		Citizenship		Japanese					
Post Office Address		4-9 Fudo-cho																			
Post Office Address																					
City		Gifu				State				Zip		500		Country		Japan		Applicant Authority			
Name of Additional Joint Inventor, if any:										<input type="checkbox"/> A petition has been filed for this unsigned inventor											
Given Name		Daniel				Middle Initial		M.		Family Name		Scott				Suffix e.g. Jr.					
Inventor's Signature		<i>Daniel W Scott</i>										Date		12/1/97							
Residence: City		Acton				State		MA		Country				Citizenship		U.S.					
Post Office Address		42 Nylander Way																			
Post Office Address																					
City		Acton				State		MA		Zip		01720		Country				Applicant Authority			
Name of Additional Joint Inventor, if any:										<input type="checkbox"/> A petition has been filed for this unsigned inventor											
Given Name		Randall				Middle Initial		B.		Family Name		Laufer				Suffix e.g. Jr.					
Inventor's Signature												Date									
Residence: City		Brookline				State		MA		Country				Citizenship		U.S.					
Post Office Address		23 Sumner Road, #2																			
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City		Brookline				State		MA		Zip		02146		Country				Applicant Authority			
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Given Name						Middle Initial				Family Name						Suffix e.g. Jr.					
Inventor's Signature												Date									
Residence: City						State				Country				Citizenship							
Post Office Address																					
Post Office Address																					
City						State				Zip				Country				Applicant Authority			
<input type="checkbox"/> Additional inventors are being named on supplemental sheet(s) attached hereto																					

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12-5-95

MET-4/CIP

PCT  
ASSIGNMENT

We,

- (1) Thomas J. McMurry,
- (2) Hironao Sajiki,
- (3) Daniel M. Scott, and
- (4) Randall B. Lauffer,

residing, respectively, at

- (1) 4 Bonad Road  
Winchester, Massachusetts 01890 U.S.A.,
- (2) 4-9 Fudo-cho  
Gifu 500, Japan,
- (3) 42 Nylander Way  
Acton, Massachusetts 01720 U.S.A., and
- (4) 23 Sumner Road, #2  
Brookline, Massachusetts 02146 U.S.A.,

for good and valuable consideration, receipt of which is hereby acknowledged, have assigned, sold and transferred to, and do hereby assign, sell and transfer to MetaSyn, Inc., a corporation organized and existing under the laws of the Commonwealth of Massachusetts and having an office and a place of business at 71 Rogers Street, Cambridge, Massachusetts 02142-1118 U.S.A., its successors and assigns: (1) the entire right, title and interest in all countries throughout the world in and to any and all our inventions and discoveries disclosed in our International Patent Application, filed under the Patent Cooperation Treaty in the United States Receiving Office (RO/US), entitled: DIAGNOSTIC IMAGING CONTRAST AGENTS WITH EXTENDED BLOOD RETENTION, and designating Albania (AL), Armenia (AM), Australia (AU), Austria (AT), Azerbaijan (AZ), Barbados (BB), Belarus (BY), Belgium (BE), Benin (BJ),

page 1 of 6

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12/5/95

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Brazil (BR), Bulgaria (BG), Burkina Faso (BF), Cameroon (CM), Canada (CA), Central African Republic (CF), Chad (TD), China (CN), Congo (CG), Cote d'Ivoire (CI), Czech Republic (CZ), Democratic People's Republic of Korea (KP), Denmark (DK), Estonia (EE), Finland (FI), France (FR), Gabon (GA), Georgia (GE), Germany (DE), Greece (GR), Guinea (GN), Hungary (HU), Iceland (IS), Ireland (IE), Italy (IT), Japan (JP), Kazakhstan (KZ), Kenya (KE), Kyrgyzstan (KG), Latvia (LV), Lesotho (LS), Liberia (LR), Liechtenstein (LI), Lithuania (LT), Luxembourg (LU), Madagascar (MG), Malawi (MW), Mali (ML), Mauritania (MR), Mexico (MX), Monaco (MC), Mongolia (MN), Netherlands (NL), New Zealand (NZ), Niger (NE), Norway (NO), Poland (PL), Portugal (PT), Republic of Korea (KR), Republic of Moldova (MD), Romania (RO), Russian Federation (RU), Senegal (SN), Singapore (SG), Slovakia (SK), Slovenia (SI), Spain (ES), Sri Lanka (LK), Sudan (SD), Swaziland (SZ), Sweden (SE), Switzerland (CH), Tajikistan (TJ), the former Yugoslav Republic of Macedonia (MK), Togo (TG), Trinidad and Tobago (TT), Turkey (TU), Turkmenistan (TM), Uganda (UG), Ukraine (UA), United Kingdom (GB), United States of America (US), Uzbekistan (UZ) and Viet Nam (VN), [subsequently identified as International Patent Application \_\_\_\_\_, filed \_\_\_\_\_\*], including any renewals, revivals, reissues, re-examinations, extensions, continuations and divisions thereof, and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of MetaSyn, Inc. its designee, or in our names at MetaSyn, Inc., or its designee's election,

\* We hereby authorize MetaSyn, Inc. and its representatives to insert in this instrument the International Patent Application number and the filing date of said application when MetaSyn, Inc. is officially notified thereof.

page 2 of 6

ASSIGN.3  
12/4/95



on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue on the aforesaid inventions, discoveries and applications in any country of the world and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in and to all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the following priority application(s):

<u>08/382,317</u>	<u>United States</u>	<u>1 February 1995</u>
application no.	country	filing date
<u>                    </u>	<u>                    </u>	<u>                    </u>
application no.	country	filing date

and all rights of priority in any country of the world deriving from the above-identified International Patent Application.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in any country throughout the world to MetaSyn, Inc. as the assignee of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of MetaSyn, Inc. to execute and to deliver to MetaSyn, Inc. any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries or applications, and divisions,

page 3 of 6

ASSIGN.3  
12/4/95

10034522-122001

continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

We further agree, at any time, upon request of MetaSyn, Inc. to execute and to deliver to MetaSyn, Inc. such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect any and all rights of MetaSyn, Inc. under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

ASSIGNORS:

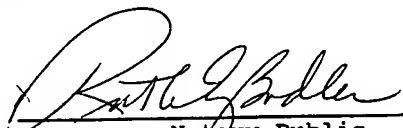
10034522-120001  
X Thomas J. McMurtry (1)  
Thomas J. McMurtry

Hironao Sajiki (2)  
Hironao Sajiki

X Daniel M. Scott (3)  
Daniel M. Scott

X Randall B. Lauffer (4)  
Randall B. Lauffer

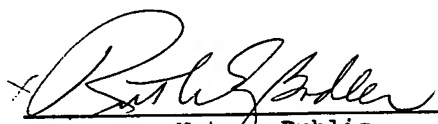
On this 21<sup>st</sup> day of December, 1995,  
Thomas J. McMurry (1) personally appeared before me, a  
Notary Public in and for the Commonwealth of Massachusetts,  
and executed the foregoing Assignment and duly acknowledged  
to me that such Assignment was executed for the uses and  
purposes therein expressed.

  
\_\_\_\_\_  
Notary Public

On this 21<sup>st</sup> day of \_\_\_\_\_, \_\_\_\_\_,  
Hironao Sajiki (2) personally appeared before me, a Notary  
Public in and for \_\_\_\_\_, and executed  
the foregoing Assignment and duly acknowledged to me that  
such Assignment was executed for the uses and purposes  
therein expressed.

\_\_\_\_\_  
Notary Public

On this 21<sup>st</sup> day of December, 1995,  
Daniel M. Scott (3) personally appeared before me, a Notary  
Public in and for the Commonwealth of Massachusetts, and  
executed the foregoing Assignment and duly acknowledged to  
me that such Assignment was executed for the uses and  
purposes therein expressed.

  
\_\_\_\_\_  
Notary Public

page 5 of 6

ASSIGN.3  
12/4/95

10034522-12004

On this 21<sup>st</sup> day of December, 1995,  
Randall B. Lauffer (4) personally appeared before me, a  
Notary Public in and for the Commonwealth of Massachusetts,  
and executed the foregoing Assignment and duly acknowledged  
to me that such Assignment was executed for the uses and  
purposes therein expressed.

  
Notary Public

ACKNOWLEDGEMENT OF ASSIGNEE:

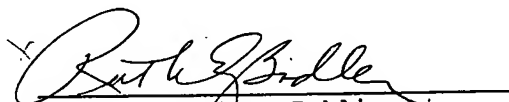
MetaSyn, Inc.

By: 

Randall B. Lauffer

Title: Chairman and Chief Scientific Officer

On this 21<sup>st</sup> day of December, 1995,  
Randall B. Lauffer personally appeared before me, a Notary  
Public in and for the Commonwealth of Massachusetts, and  
duly acknowledged the executed Assignment on behalf of the  
Assignee.

  
Notary Public